

APPENDIX

Changes to Claims:

The following are marked-up versions of the amended claims:

1. (Thrice Amended) An optical module, comprising:

a mounting member having a principal surface, ~~the said~~ mounting member entirely made of glass and having a core and a cladding formed therein material having a property of transmitting light;

an interconnect formed on said mounting member; and

an optical element mounted on said principal surface and electrically connected to said interconnect; and

a semiconductor element driving said optical element.

said semiconductor element mounted on said principal surface.

wherein said mounting member is an optical waveguide for guiding light emitted from said optical element or light admitted to said optical element.

4. (Thrice Amended) An optical module, comprising:

an optical element for emitting or admitting light; and

an optical waveguide entirely made of glass, having a core and a cladding formed therein material having a property of transmitting light and having a principal surface, with said optical element mounted on said principal surface, for guiding light emitted from said optical element or light admitted to said optical element; and

a semiconductor element driving said optical element.

said semiconductor element mounted on said principal surface.

7. (Amended) The optical module as defined in claim 4,

~~wherein a semiconductor element is further mounted on said principal surface in addition to said optical element; and~~

wherein said optical element and said semiconductor element are integrally sealed with a resin.

8. (Amended) The optical module as defined in claim 5,
~~wherein a semiconductor element is further mounted on said principal surface in addition to said optical element; and~~

wherein said optical element and said semiconductor element are integrally sealed with a resin.

9. (Amended) The optical module as defined in claim 6,
~~wherein a semiconductor element is further mounted on said principal surface in addition to said optical element; and~~

wherein said optical element and said semiconductor element are integrally sealed with a resin.

17. (Thrice Amended) An optical module, comprising:
an optical element; and
~~a mounting member, said mounting member entirely made of glass and having a core and a cladding formed therein material having a property of transmitting light to have a function of an optical waveguide for guiding light emitted from said optical element or light admitted to said optical element, said mounting member electrically connected to said optical element or a semiconductor element associated with said optical element; and~~
a semiconductor element driving said optical element,
said semiconductor element mounted on said mounting member.

18. (Thrice Amended) An optical module, comprising:

a mounting member having a principal surface and a lateral surface, the said mounting member entirely made of glass and having a core and a cladding formed therein material having a property of transmitting light; and

an optical element mounted on said principal surface; and

a semiconductor element driving said optical element,

said semiconductor element mounted on said principal surface,

wherein said mounting member has a function of an optical waveguide, and an optical input/output terminal for said optical waveguide is provided on said lateral surface.